

Table ENG-3. - Building Site Development

Warren County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Berks	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
						Slope	0.13
1C:							
Berks	85	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.46
1D:							
Berks	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
2B:							
Blairton	75	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.81	Depth to hard bedrock	1.00	Depth to saturated zone	0.81
		Depth to hard bedrock	0.46	Depth to saturated zone	1.00	Depth to hard bedrock	0.46
						Slope	0.13
2C:							
Blairton	75	Somewhat limited		Very limited		Very limited	
		Depth to saturated zone	0.81	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to saturated zone	1.00	Depth to saturated zone	0.81
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.46
3C:							
Buchanan	75	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Slope	1.00
		Depth to saturated zone	0.81	Depth to saturated zone	1.00	Depth to thick cemented pan	1.00
		Slope	0.37	Slope	0.37	Depth to saturated zone	0.81
4C:							
Buchanan	80	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Slope	1.00
		Depth to saturated zone	0.81	Depth to saturated zone	1.00	Depth to thick cemented pan	1.00
		Slope	0.37	Slope	0.37	Depth to saturated zone	0.81

5:

Table ENG-3. - Building Site Development - Continued

Warren County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5:							
Buckton	90	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Wet spots	5	Not Rated		Not Rated		Not Rated	
6C:							
Carbo	50	Very limited Shrink-swell Depth to hard bedrock Slope	1.00 0.46 0.37	Very limited Shrink-swell Depth to hard bedrock Slope	1.00 1.00 0.37	Very limited Shrink-swell Slope Depth to hard bedrock	1.00 1.00 0.46
Endcav	45	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Depth to hard bedrock Slope	1.00 0.42 0.37	Very limited Shrink-swell Slope	1.00 1.00
7C:							
Carbo	35	Very limited Shrink-swell Depth to hard bedrock Slope	1.00 0.46 0.37	Very limited Shrink-swell Depth to hard bedrock Slope	1.00 1.00 0.37	Very limited Shrink-swell Slope Depth to hard bedrock	1.00 1.00 0.46
Endcav	30	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Depth to hard bedrock Slope	1.00 0.42 0.37	Very limited Shrink-swell Slope	1.00 1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
8C:							
Cataska	85	Somewhat limited Depth to soft bedrock Slope	1.00 0.37	Very limited Depth to soft bedrock Slope	1.00 0.37	Very limited Depth to soft bedrock Slope	1.00 1.00
8D:							
Cataska	85	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Slope Depth to soft bedrock	1.00 1.00
8E:							
Cataska	85	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Slope Depth to soft bedrock	1.00 1.00
9:							
Chagrin	80	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding	1.00

Table ENG-3. - Building Site Development - Continued

Warren County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9: Wet spots	5	Not Rated		Not Rated		Not Rated	
10C: Chester	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
10D: Chester	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
10E: Chester	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
11D: Chester	50	Very limited Slope	1.00	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
Manor	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
11E: Chester	45	Very limited Slope	1.00	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
Manor	35	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
12D: Chilhowie	75	Very limited Slope Shrink-swell Depth to hard bedrock	1.00 1.00 0.95	Very limited Slope Shrink-swell Depth to hard bedrock	1.00 1.00 1.00	Very limited Slope Shrink-swell Depth to hard bedrock	1.00 1.00 0.95
13B: Clearbrook	80	Somewhat limited Depth to saturated zone Shrink-swell Content of large stones	0.81 0.50 0.01	Very limited Depth to saturated zone Shrink-swell Depth to soft bedrock	1.00 0.50 0.46	Somewhat limited Depth to saturated zone Shrink-swell Slope	0.81 0.50 0.13
13C:							

Table ENG-3. - Building Site Development - Continued

Warren County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13C:							
Clearbrook	80	Somewhat limited		Very limited		Very limited	
		Depth to saturated zone	0.81	Depth to saturated zone	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Depth to saturated zone	0.81
		Slope	0.37	Depth to soft bedrock	0.46	Shrink-swell	0.50
14:							
Craigsville	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Content of large stones	0.72	Content of large stones	0.72	Content of large stones	0.72
Wet spots	5	Not Rated		Not Rated		Not Rated	
15E:							
Dekalb	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
16F:							
Drall	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to hard bedrock	0.42		
Rubble land	25	Not Rated		Not Rated		Not Rated	
17B:							
Dyke	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
17C:							
Dyke	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
18B:							
Endcav	90	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to hard bedrock	0.42	Slope	0.13
18C:							
Endcav	90	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.37	Depth to hard bedrock	0.42	Slope	1.00
				Slope	0.37		

19B:

Table ENG-3. - Building Site Development - Continued

Warren County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19B:							
Hawksbill	85	Very limited Flooding Content of large stones	1.00 1.00	Very limited Flooding Content of large stones	1.00 1.00	Very limited Flooding Content of large stones Slope	1.00 1.00 0.13
Wet spots	5	Not Rated		Not Rated		Not Rated	
20B:							
Hawksbill	90	Very limited Flooding Content of large stones	1.00 1.00	Very limited Flooding Content of large stones	1.00 1.00	Very limited Flooding Content of large stones Slope	1.00 1.00 0.13
Wet spots	5	Not Rated		Not Rated		Not Rated	
20C:							
Hawksbill	90	Very limited Flooding Content of large stones Slope	1.00 1.00 0.37	Very limited Flooding Content of large stones Slope	1.00 1.00 0.37	Very limited Flooding Slope Content of large stones	1.00 1.00 1.00
21D:							
Lew	85	Very limited Content of large stones Slope Shrink-swell	1.00 1.00 0.50	Very limited Content of large stones Slope Shrink-swell	1.00 1.00 0.50	Very limited Slope Content of large stones Shrink-swell	1.00 1.00 0.50
22E:							
Lew	90	Very limited Slope Content of large stones Shrink-swell	1.00 1.00 0.50	Very limited Slope Content of large stones Shrink-swell	1.00 1.00 0.50	Very limited Slope Content of large stones Shrink-swell	1.00 1.00 0.50
23B:							
Lodi	75	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
23C:							
Lodi	75	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
23D:							

Table ENG-3. - Building Site Development - Continued

Warren County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
23D:							
Lodi	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
24B:							
Lodi	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
24C:							
Lodi	80	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
24D:							
Lodi	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
25C:							
Lodi	70	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
25D:							
Lodi	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
26C:							
Lodi	50	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.04	Slope	0.04	Shrink-swell	0.50
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
26E:							
Lodi	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
27B:							
Millrock	95	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
Wet spots	3	Not Rated		Not Rated		Not Rated	
28B:							

Table ENG-3. - Building Site Development - Continued

Warren County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
28B:							
Monongahela	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.90	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.90
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Slope	0.13
						Depth to saturated zone	0.07
Purdy	5	Not Rated		Not Rated		Not Rated	
28C:							
Monongahela	85	Somewhat limited		Very limited		Very limited	
		Depth to thick cemented pan	0.90	Depth to thick cemented pan	1.00	Slope	1.00
		Slope	0.37	Depth to saturated zone	1.00	Depth to thick cemented pan	0.90
		Depth to saturated zone	0.07	Slope	0.37	Depth to saturated zone	0.07
Purdy	5	Not Rated		Not Rated		Not Rated	
29C:							
Montalto	80	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
30C:							
Myersville	80	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
30D:							
Myersville	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
31C:							
Myersville	50	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
Catoctin	40	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.46
31D:							
Myersville	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
Catoctin	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
31E:							

Table ENG-3. - Building Site Development - Continued

Warren County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31E:							
Myersville	50	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Catoctin	45	Very limited Slope Depth to hard bedrock	1.00 0.46	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.46
32C:							
Myersville	50	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Montalto	40	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
32D:							
Myersville	50	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Montalto	40	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
32E:							
Myersville	50	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Montalto	40	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
33:							
Newark	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
Wet spots	5	Not Rated		Not Rated		Not Rated	
34:							
Pits	100	Not Rated		Not Rated		Not Rated	
35:							
Purdy	85	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50

Table ENG-3. - Building Site Development - Continued

Warren County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
36E:							
Rigley	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
37D:							
Rigley	60	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Berks	15	Very limited Slope Depth to hard bedrock	1.00 0.46	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.46
Weikert	15	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 1.00
38B:							
Sequoia	80	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to soft bedrock	0.50 0.46	Somewhat limited Shrink-swell Slope	0.50 0.13
38C:							
Sequoia	80	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Depth to soft bedrock Slope	0.50 0.46 0.37	Very limited Slope Shrink-swell	1.00 0.50
39B:							
Unison	80	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
39C:							
Unison	80	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
39D:							
Unison	80	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
40C:							
Unison	75	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
41C:							

Table ENG-3. - Building Site Development - Continued

Warren County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
41C:							
Weikert	55	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
		Slope	0.37	Slope	0.37	Slope	1.00
Berks	35	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.46
41D:							
Weikert	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
Berks	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
Wet spots	3	Not Rated		Not Rated		Not Rated	
41E:							
Weikert	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
Berks	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
42B:							
Zoar	85	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Depth to saturated	1.00	Shrink-swell	0.50
		Depth to saturated zone	0.39	zone		Depth to saturated zone	0.39
				Shrink-swell	0.50	zone	
W:							
Water	100	Not Rated		Not Rated		Not Rated	